

**DISTRIBUTION**  
**PROJECT MANAGERS' MEETING,**  
**200 AREA GROUNDWATER SOURCE OPERABLE UNITS**  
**June 17, 2010**

DOE/RL

(No hard copy distribution)

EPA

Craig Cameron

B1-46

Ecology

Nina Menard

H0-57

CHPRC

Janice Williams (original)

E6-35

Administrative Record (2)

H6-08

Correspondence Control

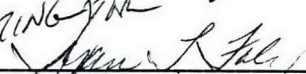
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Meeting Minutes Transmittal/Approval  
Project Managers' Meeting  
200 Area Groundwater and Source Operable Units  
June 17, 2010

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APPROVAL:  DATE: 06/17/10  
Al Farabee, 200 Area Project Manager, DOE/RL

APPROVAL:  DATE: 6/17/10  
Briant Charboneau, 200 Area Unit Manager, DOE/RL

APPROVAL:  DATE: 6/17/10  
Craig Cameron, 200 Area Project Manager, EPA

APPROVAL:  DATE: 6/17/10  
Nina Menard, 200 Area Project Manager, Ecology

HFFACO Action Plan Section 4.1 requires signature of agreements and commitments made during the Project Manager Meeting. Approval of these minutes documents approval of agreements and commitments documented in Attachment 4 to these minutes. Approval does not apply to any other attachments, which are included in these minutes for informational purposes.

Minutes of the 200 Area Project Managers' Meeting of June 17, 2010 are attached. Minutes are comprised of the following.

Attachment 1	Attendance Record
Attachment 2	Agreements and Issues List
Attachment 3	Action Item List
Attachment 4	Operable Units and Facilities Status
Attachment 5	Email from N. Menard (Ecology) to J. Williams (CHPRC), dated 6/23/2010, clarifying regulator comment on 200-SW-1

200 Area Project Managers' Status Meeting  
June 17, 2010

Please print clearly and use black ink

PRINTED NAME	ORGANIZATION	O.U. ROLE	TELEPHONE
Doug Chysim	DOE-RL/0040	Representing RL-0040	373-9396
Shelley Simon	ODOG	(SA)	9163-0853
DL Foss	PRC	SEGR	4382705
DL Norman	PRC	D&D	373-2027
Chalker	PRC	SEGRP	373-2218
Bruce Ford	PRC	EP&SP	373-3809
Nina Menard	ECY	Proj. Manager	372-7941
Arlene Tortoso	DOE-RL	Unit Mgr	373-9621
Elis Eberlein	ECY	for Deborah Singleton	372-7906
John Monsor	DOG-RL	TOC, EXPORT	376-0057
Craig Cameron	EPA	Proj. Mgr.	376-8665
Pod Lobos	EPA	Proj Mgr	376-3749
Naomi Bland	DOE-RL	Unit Mgr	376-5527
Bryan Foley	DOE-RL	GW Project	376-7087
Greg Sittler	RL	GW	3737939
Wade Woolery	RL	PM	3122889
Tim M. Crane	CHPRC	SEGRP	376-9789
Asopuru Okembo	Ecology	NRDW	372-7956
Leon Danni	YD ERW		945-1102
Jim Hansen	DOE-RL		376 4648



**200 Area Project Managers' Meeting  
Agreements and Issues List  
June 17, 2010**

**Agreement:** On Thursday June 10, 2010, agreement was reached at the DOE-RL deputy manager and EPA and Ecology program manager levels on the number of baseline risk assessments for the upcoming 200 Area RI/FS and RI/FS - RFI/CMS efforts. There will be one risk assessment for the 200 West Area and one for the 200 East Area (exclusive of risk assessment activities for groundwater). The timing of these assessments will support the schedules for completion of the RI/FS and RFI/CMS processes for their respective operable units. The schedules will be provided in milestones after addressing public comment on the draft Central Plateau Cleanup TPA change package. Any additional risk evaluations will not interfere with the timely completion of the baseline risk assessments supporting cleanup decisions for these operable units. DOE also agreed to update the composite analysis according to DOE Order 435.1 requirements.

**Issue:** N/A

**Delegations for June 17, 2010 PMM meeting:**

DOE/RL      Bryan Foley

200 Area Project Managers' Meeting  
June 17, 2010

CHPRC-1000410  
Attachment 3

OPEN ACTION ITEM TRACKING

Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Status
126	Ecology will provide their choice of a location (site) for MIS to be completed	Ecology/Nina Menard	DOE	5/20/10	TBD		
127	RL will schedule a 200-BP-5 status meeting with EPA and Ecology	DOE/John Morse	EPA & Ecology	5/20/10	6/17/10		Closed. Meeting held 6/15/2010.
128	Verify WIDS is current to all Appendix C updates	DOE/Doug Hildebrand	EPA & Ecology	5/20/10	6/17/10	7/15/2010	A contractor management assessment is being conducted to verify this.
129	RL will schedule a meeting with EPA to discuss the role of the RAR	DOE/Doug Chapin	EPA	6/17/10	7/15/10		
130	Ecology requests RL provide a draft copy of the project status updates prior to the meeting.	DOE/Bryan Foley	EPA & Ecology	6/17/10	7/15/10		

## 200 AREA PROJECT MANAGERS MEETING PROJECT STATUS UPDATES

June 17, 2010  
AGENDA

### **CENTRAL PLATEAU INNER AREA**

200-WA-1  
200-EA-1 CMS & FS / CAD & PP  
200-PW-1/3/6  
SVE  
200-CW-5

#### **Inner Area: Central Plateau Burial Grounds**

200-SW-2

#### **Inner Area: Central Plateau Canyons & Facilities**

U Plant Canyon  
B Plant Canyon/Waste Sites  
PUREX Canyon/Waste Sites  
REDOX Canyon/Waste Sites  
224B Concentration Facility  
224T Transuranic Storage and Assay Facility  
EE/CA Report(s)

#### **Inner Area: Central Plateau Vadose Zone**

200-DV-1 RI/FS  
200-DV-1 Uranium  
200-DV-1 Tc-99

### **BOTH INNER & OUTER AREAS**

200-IS-1 CMS & FS / CAD & PP

#### **RCRA Units**

Hexone TSD Closure  
Other TSD Closures

### **CENTRAL PLATEAU OUTER AREA**

200-OA-1, 200-CW-1, and 200-CW-3 FS/PP  
200-SW-1

**Field Work**

Rail Car Disposition  
200-MG-1  
200-BC Control Area  
200-CW-3  
West Lake  
Multi-Increment Sampling

**Risk Assessment**

Central Plateau Ecological Risk

**CENTRAL PLATEAU GROUNDWATER**

200-ZP-1 Interim Action  
200 West P&T  
200-UP-1 RI/FS  
S/SX Interim Action  
200-BP-5 and 200-PO-1 FS  
200-BP-5 TTP  
Groundwater Plumes – Final Remedy



## 200 AREA PROJECT MANAGERS MEETING PROJECT STATUS UPDATES

June 17, 2010

### CENTRAL PLATEAU INNER AREA

**200-WA-1 EPA Lead** (RL- Arlene Tortoso, CHPRC – Mike Hickey)

**P-015-91A, Submit RI/FS Work Plan for the 200-WA-1 to EPA, 12/31/2011**

**P-015-91B, Submit FS Report and PP for 200-WA-1 to EPA, 6/30/2013**

- Planning of the Central Plateau decision documents to align with the Tentative Agreement is on-going.
- Initiated a series of Agency meetings to scope the 200-WA-1 RI/FS Work Plan.
- Transmitted the response to comments for the U-8 and U-12 SAP to Ecology. A comment resolution meeting with Ecology and EPA regarding the SAP was held on June 7, 2010.
- Continuing with the field preparation activities for the deep vadose zone boreholes associated with the U-1/2, U-8, and U-12 cribs.
- The U-8 and U-12 cribs electro-resistivity investigation, which is designed to assist in locating the deep boreholes, is in progress.
- The Decisional Draft of the Remedial Action Goals (RAGs) regulatory compliance document (DOE/RL-2007-34 Rev. 1) is being reviewed.

Schedule Status: Planning for the Central Plateau decision documents to achieve the Tentative Agreement milestones is underway.

### Regulator Comments:

**200-EA-1 Ecology Lead** (RL- Doug Hildebrand, CHPRC – Mike Hickey)

**P-015-92A, Submit RFI/CMS and RI/FS Work Plan for the 200-EA-1 to Ecology, 12/31/2012**

- Planning of the Central Plateau decision documents to align with the Tentative Agreement is ongoing.
- DOE received comments from EPA comments on the 200-MW-1 RI/FS, draft A, were received on May 17, 2010. Comment response is currently under development.
- Soil sample analysis for the K, L, and M wells is complete. Data validation and the DQA report are in progress.



**200-EA-1 & 200-IS-1 Ecology Lead (RL- Doug Hildebrand, CHPRC – Greg Berlin)**  
**P-015-92B, Submit CMS & FS & Proposed CA Decision/PP for EA-1 & IS-1 to Ecology, 6/30/2014**

- Planning of the Central Plateau decision documents to align with the Tentative Agreement is ongoing.

Schedule Status: Planning for the Central Plateau decision documents to achieve the Tentative Agreement milestones is underway.

Regulator Comments:

**200-PW-1/3/6 EPA Lead (RL- Arlene Tortoso, CHPRC – Mike Hickey)**

- A meeting was held with EPA and Ecology on May 18, 2010 to review the fate and transport modeling to identify COCs for groundwater protection. There was general acceptance of the screening methods and process.
- The draft C version of the feasibility study and the draft A version of the proposed plan are scheduled to be reviewed by RL mid- July 2010. Submittal to EPA is scheduled for late September 2010.

**Soil Vapor Extraction System (SVE): (RL- Arlene Tortoso, CHPRC –Mark Byrnes)**

- Monthly monitoring results for May 2010 for the soil vapor probes and wells were consistent with the results from previous monitoring.
- The two new SVE units are running smoothly. They were shut for a short period earlier this week to clean out the dust and blowing sand from the recent wind storm. Both units are back running.

Schedule Status:

Regulator Comments: Ecology is not in agreement that there is general acceptance of the screening methods and process.

**200-CW-5 EPA Lead** (RL- Greg Sinton, CHPRC – Mike Hickey)

- Preparing Draft C feasibility study for submittal to EPA in July 2010.

Schedule Status:

Regulator Comments:

**Inner Area: Central Plateau Burial Grounds**

**200-SW-2 Ecology Lead** (RL – Doug Hildebrand, CHPRC – Greg Berlin)

**P-015-93A, Submit Revised RFI/CMS and RI/FS Work Plan for 200-SW-2 to Ecology, 12/31/2011**

**P-015-93B, Submit RFI/CMS & RI/FS & Proposed CA Decision/PP for SW-2 to Ecology, 12/31/2016**

- Planning of the Central Plateau decision documents to align with the Tentative Agreement is ongoing.
- Planning for HAB Workshops

Schedule Status: Planning for the Central Plateau decision documents to achieve the Tentative Agreement milestones is underway.

Regulator Comments:

**Inner Area: Central Plateau Canyons and Facilities**

**U Plant Canyon EPA Lead** (RL – Wade Woolery, CHPRC – Dottie Norman)

**P-016-200A, Complete U Plant Canyon (221-U) Demolition in accordance w/ RD/RAWP, 9/30/2017**

**P-016-200B, Complete U Plant Canyon (221-U) Barrier Construction in accordance w/ RD/RAWP, 9/30/2021**

- Progress continues on cell loading/ size reduction with 91% of the major items dispositioned. The annual crane maintenance outage was completed and deck clearing activities are projected to complete in early July. Work has commenced on asbestos abatement efforts in the pipe gallery and in the operating gallery. This is in support of future demolition activities.

- In June, the RFP was issued for grout conveyance and supply.
- A Statement of Work has been placed for purchase of a cask to be used for the transfer of the D-10 tank from U plant to T plant.

**Regulatory Documents** *EPA Lead* (RL- Wade Woolery, CHPRC – Curt Walker)

- 90% Design summary for size reduction activities went through regulatory agency review; comments were submitted and incorporated. Revision 0 is in transmittal for final approval.

Schedule Status: On schedule

Regulator Comments:

**B Plant Canyon/Waste Sites** *Ecology Lead* (RL – Naomi Bland, CHPRC – Marty Doornbos)

**P-85-10A, Submit RI/FS Work Plan for 200-CB-1, 12/21/2011**

- Planning of the Central Plateau decision documents to align with the Tentative Agreement is ongoing.

Schedule Status: As above.

Regulator Comments:

**PUREX Canyon/Waste Sites** *Ecology Lead* (RL – Frank Roddy, CHPRC – Marty Doornbos)

**P-85-20A, Submit RI/FS Work Plan for 200-CP-1, 9/30/2015**

**REDOX Canyon/waste sites** *EPA Lead* (RL – Naomi Bland, CHPRC – Marty Doornbos)

**P-85-30A, Submit RI/FS Work Plan for 200-CR-1, 12/31/2017**

**224B Concentration Facility** *Ecology Lead* (RL- Kevin Leary, CHPRC – Curt Walker)

**M-085-50, Submit revised removal action work plan for the 224B Concentration Facility in accordance with the Action Memorandum for the Non-Time Critical Removal Action for the 224-B Plutonium Concentration Facility (DOE/RL-2004-36). A change package with a completion milestone will accompany the submittal of the work plan, 12/31/2015**



**224T Transuranic Storage and Assay Facility** *Ecology Lead* (RL- Kevin Leary, CHPRC – Curt Walker)

**M-085-51, Submit removal action work plan for the 224T Transuranic Storage and Assay Facility in accordance with the Action Memorandum for the Non-Time-Critical Removal Action for the 224-T Plutonium Concentration Facility (DOE/RL-2004-68). A change package with a completion milestone will accompany the submittal of the work plan. 12/31/2025**

**EE/CA Report(s)** *EPA Lead* (RL – Doug Chapin, CHPRC, Tina Crane)

**P-85-60, Complete EE/CA report(s) for all Tier 2 facilities listed in Appendix J, 3/31/2018**

- 200 E Tier 2 Facilities EE/CA: Regulator review currently estimated to begin the first week of August 2010. Public review currently scheduled to begin in November 2010.
- 200 W Tier 2 Facilities EE/CA: In planning; schedule details to follow.

**Inner Area: Central Plateau Deep Vadose Zone**

**200-DV-1** *Ecology Lead* (RL – John Morse, CHPRC – Curt Wittreich)

**P-015-110A, Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 to Ecology, 9/30/2012**

**P-015-110B, Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 to Ecology, 9/30/2015**

- Initiated baseline planning

Schedule Status: Submittal of the RFI/CMS & RI/FS Work Plan is on schedule.

Regulator Comments:

**200-DV-1 Ecology Lead** (RL – John Morse, CHPRC – Glen Chronister)  
**P-015-110C, Submit Uranium Treatment FTP Draft A per Deep Vadose Zone  
Treatability Test Plan, DOE/RL-2007-56 to Ecology, 12/31/2010**

Uranium Sequestration Pilot Test:

- The project team completed the Data Quality Objectives (DQO) document for Uranium Sequestration. The document is now under internal review and will also be modified pending results of the upcoming Expert Review Panel.
- Continued development of the Uranium Sequestration Field Test Plan and Sample Analysis Plan.
- An expert review panel will review the activities and objectives of the Uranium Sequestration work the week of July 12, 2010.

Schedule Status: On schedule

Regulator Comments:

**200-DV-1 Ecology Lead** (RL – John Morse, CHPRC – Glen Chronister)  
**P-015-110D, Submit Tc-99 Pilot Scale Treat. Study Test Report per Deep  
Vadose Zone Treatability Test Plan, DOE/RL-2007-56 to EPA, 6/30/2012**

- The Statement of Work (SOW) for the rental of equipment and supply of liquid nitrogen for the Desiccation Pilot Test has been prepared and is now being processed to be issued as an RFP.
- The Field Test Plan and associated Sample Analysis Plan were formally transmitted to DOE-RL this last month for review and comment by DOE and the regulators.
- Preparation of work packages to allow the assembly of components and initiation of field work continues.
- Completed neutron logging of the 10 new logging wells to establish a baseline prior to initiation of the Desiccation Pilot Test.

Schedule Status: On schedule

Regulator Comments:



## **BOTH INNER & OUTER AREAS**

**200-IS-1 Ecology Lead** (RL- Doug Hildebrand, CHPRC – Greg Berlin)

**P-015-90, Submit Revised RFI/CMS and RI/FS Work Plan for 200-IS-1 to Ecology, 6/30/2011**

- Initiated scoping meetings with Ecology and EPA to align the 200-IS-1 RI/FS Work Plan with the Tentative Agreement.

Schedule Status: Planning for the Central Plateau decision documents to achieve the Tentative Agreement milestones is underway.

Regulator Comments:

## **RCRA Units**

**Hexone TSD Closure Ecology Lead** (RL- Doug Chapin for Kevin Leary, CHPRC – Greg Berlin)

**M-037-01, Submit Revised Closure Plan to support TSD closure of the Hexone Storage and Treatment Facility (276-S-141/142) TSD unit, 12/30/2010**

- RL correspondence is being prepared to transmit the Hexone Storage and Treatment Facility Closure Plan and SAP to Ecology for review.

Schedule Status: On Schedule.

Regulator Comments:

## **Other TSD Closures**

**M-037-02, Submit Revised Closure Plans to support TSD closure for five (5) TSD Units: 207-A South Retention Basin, 216-B-29 Ditch, 216-A-36B Crib, 216-A-37-1 Crib, and 216-B-63 Trench, 06/30/2014**

**M-037-03, Submit Revised Closure Plans to support TSD closure for two (2) TSD Units: 216-B-3 Main Pond system, and 216-S-10 Pond and Ditch, 4/30/2012**

**M-037-10, Complete Unit-Specific Closure Requirements According To The Closure Plan(s) For seven (7) TSD Units: 207-A South Retention Basin, 216-A-29 Ditch, 216-A36B Crib, 216-A-37-1 Crib, 216-B-63 Trench, Hexone Storage and Treatment Facility (276-S-141/142), and 241-CX Tank system (241-CX-70/71/72), 9/30/2020**

**M-037-11, Complete unit-specific closure requirements for two (2) TSD Units; 216-B-3 Main and Pond system and 216-S-10 Pond and Ditch, 9/30/2016**

### **CENTRAL PLATEAU OUTER AREA**

**200-CW-1, CW-3, OA-1 EPA Lead (RL – Greg Sinton, CHPRC – Ron Brunke)**

**P-015-38B, Submit Revised FS Report & Revised PP for CW-1, -CW-3, and OA-1 to EPA, 4/30/2012**

- Work continues to transition the existing activities to align with the Tentative Agreement, including development of the RI/FS Work Plan.
- Completed laboratory analysis of the soil samples from the 200-CW-1 Ponds and the Gable Pipeline.
- Outer Area FS/PP kick-off meeting and tour held with EPA and Ecology June 9.

Schedule Status: The West Lake Draft A SAP is planned to be submitted to regulators in July 2010. The draft schedule for deliverables leading to the FS/PP by 4/30/2012 was provided to the regulators in the June 9 kick-off meeting.

#### **Regulator Comments:**

**200-SW-1 Ecology Lead (RL: Doug Chapin for Kevin Leary, CHPRC – Ron Brunke)**

- On June 1, 2010, RL conducted a consultation with the Nez Perce in Lapwai, Idaho, on the Draft DOE/EA-1707D (May 2010).
- RL/Ecology workshops to produce a mutually acceptable NRDWL/SWL closure/post-closure plan continue.

Schedule Status: Based on requests received from the Nez Perce, the CTUIR, and the Yakama, the public comment period for the Draft DOE/EA-1707D was extended another 30 days, from June 14, 2010, through July 15, 2010. Transmittal of the NRDWL/SWL Closure/Post-closure Plan (Rev. 2) to Ecology for formal approval is targeted for late



July 2010. Public comment for the NRDWL/SWL Closure/Post-closure Plan Permit Modification is targeted to begin in mid- to late August 2010.

Regulator Comments: The Closure Plan using Evaporative Transpiration Barrier is based on DOE's Conceptual Model. Ecology expects DOE to provide immediate funding for the engineering design while Ecology and DOE continue to prepare the Closure Plan based on the conceptual model for public comment. If the engineering design document is not submitted in time to incorporate it into the permit, then a compliance schedule will be added to the permit for these units. Ecology urges DOE to demonstrate their commitment to closing these sites before the next slug of contaminants in the vadose zone enters into the groundwater by getting the engineering design construction ready.

### **Field Work**

**Rail Car Disposition** *EPA Lead* (RL: Doug Chapin for Frank Roddy, CHPRC – Dottie Norman)

- On Jun 8, 2010, a draft addendum to the 212-N, -P, and -R facilities EE/CA was provided to EPA, with a follow-up review meeting conducted on June 10, 2010. The document was revised to address comments and provided to EPA on June 16, 2010.
- On June 15, 2010, a ListServ public notice was issued, announcing an upcoming 30-day public comment period on the EE/CA addendum, expected to begin by the end of June 2010.

Schedule Status: On schedule

### **Regulator Comments:**

**200-MG-1** *EPA/Ecology Lead* (RL: Doug Chapin for Frank Roddy, CHPRC – Curt Walker)

- Field work continues on waste sites in the Outer Area (i.e., 216-S-19, 216-S-26).
- On March 9, 2010, RL provided Ecology the WIDs Waste Site Reclassification form for the 200-E-101 waste site.
- On June 9, 2010, RL provided Ecology the RAWP (Rev. 1) for 37 additional 200-MG-1 waste sites.

- On June 10, 2010, RL provided Ecology the RAR (DOE/RL-2009-123, Rev. 0, February 2010), revised to include costs, and the WIDs Waste Site Reclassification Forms, for the 200-E-110 and the UPR-600-21 waste sites.
- RAR (DOE/RL-2009-133, May 2010 Draft), revised to include costs, and the WIDs Waste Site Reclassification Form, for the 600-51 waste site, is in RL review. Waste Site Reclassification Form for 600-51 is anticipated to be provided to Ecology for review and approval in July.

Schedule Status: On schedule

Regulator Comments:

**200-BC Control Area (BCCA) Ecology Lead** (RL – Doug Chapin, CHPRC – Bo Wier)

- BCCA North Zone A (~140 acres): Approximately 5,800 tons were disposed of at ERDF the week of June 14, 2010, using seven super dump trucks in service (~129,800 tons over ~31.5 acres, cumulative).
- BCCA North Zone B (~3,660 acres): Implementation of a BCCA field work mitigation plan to protect migratory birds' habitat and nesting, and compliance with the MBTA, continued. An area of around four to five acres was surveyed (and cleared) per the plan, during the week of June 7, 2010. Removal of elevated hot spots in this area is planned the week of June 21, 2010. Approximately 998 acres have been down posted to date.
- BCCA South Zone C:
  - As an outcome of an April 21, 2010, report briefing of the September 2009 aerial survey of the BCCA, RL has contacted Ecology requesting a meeting with EPA and CHPRC to discuss a proposed regulatory approach (and rationale) for the contaminated soil cleanup (removal action) work that, along with what CERCLA and other regulatory documents, will be required for Zone C. The meeting has not been scheduled as Ecology has not responded.
  - A cultural resources field survey was completed on March 21, 2010. On June 2, 2010, CHPRC transmitted the final cultural resources review report to RL. On June 14, 2010, RL transmitted the report to the SHPO, the Tribes, and others, for 30-day review.

Schedule Status: On schedule

Regulator Comments:



**200-CW-3 EPA Lead** (RL: Doug Chapin for Frank Roddy, CHPRC – Tina Crane)

- RTD of 216-N-1 Pond is complete. RAR is in progress with RL review anticipated by the end of June.
- RTD of 216-N-4 Pond is in progress.
- RTD of 216-N-6 Pond to follow 216-N-4 (summer 2010).
- The RAR is completed for 212-N, -P, and -R facilities and has been entered into the administrative record.
- RL is preparing correspondence to CHPRC requesting the backfilling and recontouring of all waste sites (i.e., the 212-N, -P, and -R sites, and the 600-36, 600-40, and 216-S-19 waste sites), as necessary, to the surrounding landscape's natural topography, using native vegetation identified in the draft Hanford Site-wide revegetation manual currently being prepared by PNNL, recognizing the backfilling must await verification sampling results being less than the remedial action levels and approval by the regulators.

Schedule Status: On schedule

Regulator Comments:

**Multi-Increment Sampling Ecology Lead** (RL – Doug Chapin for Frank Roddy, CHPRC – Dave Chojnacki)

- Block 1 and 2 sampling after removal of the cover soil is complete.
- Excavation is ongoing, additional sampling at depth in July 2010 is anticipated.

Regulator Comments:

**Risk Assessment**

**Central Plateau Ecological Risk Assessment EPA/Ecology Lead** (RL – Jim Hansen, CHPRC – John Lowe)

- Incorporating comments on the reformatted data package report
- Preparing technical report on ecological PRG development (based on information presented in the data package report)
- Scoping the ecological risk assessment component for the Central Plateau 200 West Area RI/FS Work Plan

Schedule Status:

Regulator Comments:



## **CENTRAL PLATEAU GROUNDWATER**

### **200-ZP-1 Interim Action EPA Lead (RL – Arlene Tortoso, CHPRC – Mark Byrnes)**

- 10 of the 14 groundwater extraction wells are on line pumping water at a rate of approximately 200 gpm. Extraction well 299-W15-44 is offline as it is in the process of being replaced by new extraction well 299-W15-225. New extraction well 299-W15-225 was put on line on June 9, 2010, and is pumping water at around 248 gpm. The combined pumping rate for all the wells is currently a little over 450 gpm. Extraction well 299-W15-36 will be kept offline due to very low flow rates. Extraction wells 299-W15-34 and 299-W15-765 are offline due to electrical problems that are currently being assessed.
- Extraction wells 299-W11-45 and 299-W11-46 are both running and are pumping at a combined rate of ~26 gpm to ETF. A reduced flow rate is required for the next month to allow ETF to drain one of their other basins which is full.

Schedule Status: On schedule.

### **Regulator Comments:**

### **200 West P&T EPA Lead (RL – Arlen Tortoso, CHPRC – Mark Byrnes)**

**P-016-124, Submit 200-ZP-1 Remedial Design Report, 8/31/2010**

**P-016-122, Begin Phase 1 Operation of 200W Pump and Treat System, 12/31/2011**

- Held kickoff meeting with General Contractor for installation of process buildings.
- The TPA milestone (M-016-124) Remedial Design Report, Draft A, will be sent to EPA by August 31, 2010.
- Drilling and sampling of 14 permanent extraction/injection wells are now complete. Currently drilling EW-6, IW-5, and IW-6 which are currently at a depth of approximately 187, 111, and 100 feet respectively.
- Rev. 0 of the Performance Monitoring Plan is currently has been signed by DOE and EPA and is being issued.
- EPA comments on the Operation and Maintenance Plan have been received and are currently being addressed.
- Treatability testing of GAC to remove Tc-99 is ongoing.
- Test plans are currently being written by PNNL determine the optimum resins and SMI for uranium and other COC removal.
- Received EPA comments on Operations and Maintenance Plan for the 200-West Area Groundwater Treatment Facility. Currently addressing these comments.

Schedule Status: On schedule.

Regulator Comments:

**200-UP-1 EPA Lead** (RL – Naomi Bland, CHPRC – Curt Wittreich)

**P-015-17A, Submit a 200-UP-1 RI and FS Report and PP to EPA, 9/30/2010**

- Preparing the 200-UP-1 OU RI/FS Report and Proposed Plan. A regulator status briefing on the RI/FS Report has been scheduled for June 29, 2010.

**S/SX Tank Farm Interim Action EPA/Ecology Lead** (RL – John Morse, CHPRC – Curt Wittreich)

**P-016-120, GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm, 12/31/2011**

- Continued remedial design for the WMA S-SX extraction system to capture the Tc-99 plumes exceeding 9000 pCi/L. Three extraction wells with a total extraction rate of 80 gpm are planned. A walkdown of the S-SX area was completed May 19, 2010 to review the conceptual layout of the system and stake extraction well locations.
- A regulator briefing was held May 17, 2010 to status the U Plant extraction well cleaning effort and S-SX extraction system design effort. The need for freeze protection of above ground piping for the extractions system was discussed. A pipe-in-pipe design may be used as a method of insulation for above ground piping. Requested regulator concurrence that no additional monitoring is required for pipe-in-pipe applications used for freeze protection other than what would apply for single walled pipe (e.g. routine walk downs). A decision on this is requested at the June meeting.

Schedule Status: On schedule

Regulator Comments:

**200-BP-5, PO-1 Ecology Lead** (RL – John Morse, CHPRC – Curt Wittreich)**P-015-21A, Submit 200-BP-5 and 200-PO-1 FS Report and PP(s) to Ecology,  
12/31/2012**

- Completed analyses of all 200-BP-5 depth discrete groundwater samples.
- Preparing the 200-BP-5 RI Report
- The 200-BP-5 conceptual model report is expected to be finalized by the June 30, 2010.
- The Draft A 200-PO-1 RI Report is in the process of being transmitted to the regulators for review. A regulator briefing on the report is scheduled for June 14, 2010.

Schedule Status: 200-BP-5 and 200-PO-1 FS Report and PP is on schedule.

Regulator Comments:**200-BP-5 Ecology Lead** (RL – John Morse, CHPRC – Curt Wittreich)**M-015-82A, Submit Treatability Test Plan as Amendment of 200-BP-5 WP,  
12/31/2010****M-015-82B, Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP  
Approval, approval of TPP + 6 months**

- The Decisional Draft 200-BP-5 Aquifer Treatability Test Plan is planned to be completed by the end of June 2010.

Schedule Status: Treatability Test Plan is ahead of schedule.

Regulator Comments:**GW Plumes EPA/Ecology Lead** (RL – John Morse)**P-016-119-T01, Remedy in Place to Contain GW Plumes in 200 NPL Area,  
12/31/2020**

- Draft Annual Report provided to EPA and Ecology

Schedule Status: TBD



## Gibson, Gayelyn G

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**From:** Williams, Janice D  
**Sent:** Wednesday, June 23, 2010 11:04 AM  
**To:** Gibson, Gayelyn G  
**Subject:** Update to the June 200 UMM

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**From:** Menard, Nina (ECY) [mailto:nmen461@ecy.wa.gov]  
**Sent:** Wednesday, June 23, 2010 9:24 AM  
**To:** Williams, Janice D  
**Subject:** Regulator response for the June 200 UMM

Janice,

Thank you for working with us on this response. Pasted below is our edited regulator response. Please let us know if you have any questions.

The Closure Plan using Evaporative Transpiration Barrier is based on DOE's Conceptual Model. Ecology expects DOE to provide immediate funding for the engineering design while Ecology and DOE continue to prepare the Closure Plan based on the conceptual model for public comment. If the engineering design document is not submitted in time to incorporate it into the permit, then a compliance schedule will be added to the permit for these units. Ecology urges DOE to demonstrate their commitment to closing these sites before the next slug of contaminants in the vadose zone enters into the groundwater by getting the engineering design construction ready.

Nina M. Menard  
Project Manager  
Environmental Restoration  
WA State Dept. of Ecology  
(509) 372-7941  
(509) 420-6839